

## RIG - 4 INVENTORY OF EQUIPMENT

<b><u>DRAWWORKS:</u></b>	SPENCER-HARRIS 7000 GROOVED FOR 1-1/8" DRILL LINE. MOUNTED ON A THREE AXLE, BACK-IN TRAILER AND POWERED BY TWO (2) CATERPILLAR 3406B DIESEL ENGINES PROVIDING 800 CONTINUOUS HORSE POWER.
<b><u>AUXILIARY BRAKE:</u></b>	D&H - 15" TRIPLE ROTOR HYDROMATIC BRAKE
<b><u>MAST:</u></b>	SPENCER-HARRIS - 97 FOOT CLEAR HEIGHT TELESCOPING MAST W/ 250,000 LB STATIC HOOK LOAD, 6 SHEAVE CROWN BLOCK GROOVED FOR 1-1/8" WIRE ROPE.
<b><u>SUBSTRUCTURE:</u></b>	SPENCER-HARRIS – 16 FT. CONVENTIONAL BOX ON BOX SUBSTRUCTURE WITH BACK-ON RAMP FOR RIG TRAILER. 300,000 LB ROTARY CAPACITY, 200,000 LB SET BACK CAPACITY. 500,000 LB TOTAL SIMULTANEOUS SUBSTRUCTURE CAPACITY.
<b><u>TRAVELING EQUIPMENT:</u></b>	150 TON SHORTY MCKISSICK BLOCK UNITIZED WITH A WEB-WILSON HYDRA-HOOK; SKYTOP BREWSTER 6BX SWIVEL AND FOSTER MODEL 77 AIR POWERED KELLY SPINNER.
<b><u>ROTARY TABLE:</u></b>	IDECO TYPE, 17-1/2" ROTARY TABLE DRIVEN BY THE DRAWWORKS.
<b><u>WELL CONTROL EQUIPMENT:</u></b>	ONE (1) 11" , 5,000 PSI WSI DOUBLE RAM TYPE BOP ONE (1) 11" , 5,000 PSI HYDRIL "GK" ANNULAR BOP. ONE (1) 2" x 4" x 5,000 PSI CHOKE MANIFOLD ONE (1) 5 STATION BOP CONTROL ACCUMULATOR UNIT WITH DRILLER'S REMOTE PANEL ONE (1) ATMOSPHERIC DEGASSER.
<b><u>MUD PUMPS:</u></b>	TWO (2) NATIONAL 8P-80 TRIPLEX MUD PUMPS POWERED BY TWO (2) CATERPILLAR 3508B DIESEL ENGINES RATED AT 900 HP EACH. PUMP SUCTIONS CHARGED BY TWO (2) 6" x 5" MISSION MAGNUM CENTRIFUGAL PUMPS. TWO (2) HYDRIL K-20-5000 DISCHARGE PULSATION DAMPENERS.
<b><u>MUD SYSTEM:</u></b>	TWO (2) TANK ACTIVE MUD SYSTEM HAVING A TOTAL FLUID CAPACITY OF 612 BBLS AND GENERALLY CONSISTING OF:  SHAKER TANK: 287 BBL FLUID CAPACITY WITH TWOP (2) 6" x 5" CENTRIFUGAL PUMPS POWERED BY 50 HP ELECTRIC MOTORS. O'DRILL 12 CONE DESILTER, O'DRILL TWO (2) CONE DESANDER, DERRICK VACU-FLO 500 DEGASSER, TWO (2) DERRICK FC313 LINEAR MOTION SHALE SHAKERS.  SUCTION TANK: 325 BBL FLUID CAPACITY WITH TWO (2) 8" x 6" CENTRIFUGAL PUMPS POWERED BY 50 HP ELECTRIC MOTORS. FOUR (4) 7.5 HP DERRICK MUD AGITATORS. O'DRILL VENTURE TYPE MUD MIXING HOPPER.
<b><u>WATER TANK:</u></b>	ONE (1) 350 BBLS WATER TANK COMPLETE WITH TWO (2) MISSION MAGNUM 3" x 2" x 13" CENTRIFUGAL WATER PUMPS, POWERED BY 20 HP ELECTRIC MOTORS.
<b><u>ELECTRICAL SYSTEM:</u></b>	TWO (2) - 350 KW GENERATORS POWERED BY CATERPILLAR C-15 DIESEL ENGINE EACH RATED AT 450 HP. COMPLETE WITH SWITCHGEAR AND TRANSFORMERS.
<b><u>AUXILIARY EQUIPMENT:</u></b>	ONE (1) SATELLITE AUTOMATIC DRILLER DRILLING RECORDER ONE (1) MATHEY .092 WIRELINE MEASURING UNIT. ONE (1) INGERSOLL RAND, K5UL AIR HOIST FOR HANDLING TUBULARS.
<b><u>RIG SITE STRUCTURES:</u></b>	ONE (1) 10 FOOT x 30 FOOT DRILL FLOOR HOUSE SET AT DRILLER'S POSITION ONE (1) TOOLPUSHER QUARTERS/OFFICE UNIT ONE (1) CREW CHANGE HOUSE ONE (1) TOOL HOUSE ONE (1) PARTS STORAGE HOUSE

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### **DRILL STRING:**

DRILL PIPE - 4" OD, 14.0 LB/FT., GRADE S-135  
DRILL COLLARS - 6" ±OD

### **HANDLING TOOLS:**

150 TON HANDLING TOOLS FOR CONTRACTOR'S DRILL PIPE AND DRILL COLLARS.